

- 7 -

CLAIMS

1. A controller for three-phase asynchronous electric motor (1) or for chopper for universal motor, for domestic electrical appliances, comprising power units (2) such as triacs (2a) or relays (2b), for controlling loads, characterized in that the power units (2, 2a) other than the relays (2b) are controlled via an insulation means (13), by at least one microcontroller (4, 5) acting as electronic programmer and, via a control (6), the motor control function (1), said microcontroller (4, 5) being referenced to the "zero" potential of a rectification and filtering block (7) supplying power to the motor (1).
2. The controller as claimed in claim 1, characterized in that the insulation means (13) is an optical means of the optotriac or optocoupler type.
3. The controller as claimed in claim 1, characterized in that the insulation means is an electromagnetic means, of the relay or transformer type.
4. The controller as claimed in any one of claims 1 to 3, characterized in that the low voltage power required for the microcontrollers (4, 5) is supplied by one and the same power supply (9).
5. The controller as claimed in claim 4, characterized in that the low voltage power supply (9) for the microcontrollers (4, 5) also powers a user interface card.
6. The use of the controller as claimed in any one of

- 8 -

claims 1 to 5, in a washing machine, for
controlling an electric motor (1) driving the drum
of this washing machine rotation-wise.